ID: 433270
Sample Name: audit-866445981.xlsb
Cookbook: defaultwindowsofficecookbook.jbs
Time: 15:02:52
Date: 11/06/2021
Version: 32.0.0 Black Diamond

Table of Contents

Table of Contents 2
Analysis Report audit-866445981.xlsb 3
Overview 3
General Information 3
Detection 3
Signatures 3
Classification 3
Process Tree 3
Malware Configuration 3
Yara Overview 3
Initial Sample 3
Sigma Overview 3
System Summary: 3
Signature Overview 3
Software Vulnerabilities: 4
System Summary: 4
Mitre Att&ck Matrix 4
Behavior Graph 4
Screenshots 5
Thumbnails 5
Antivirus, Machine Learning and Genetic Malware Detection 6
Initial Sample 6
Dropped Files 6
Unpacked PE Files 6
Domains 6
URLs 6
Domains and IPs 8
Contacted Domains 8
URLs from Memory and Binaries 8
Contacted IPs 8
General Information 8
Simulations 9
Behavior and APIs 9
Joe Sandbox View / Context 9
IPs 9
Domains 9
ASN 9
JA3 Fingerprints 9
Dropped Files 9
Created / dropped Files 9
Static File Info 12
General 12
File Icon 13
Static OLE Info 13
General 13
OLE File "audit-866445981.xlsb" 13
Indicators 13
Macro 4.0 Code 13
Network Behavior 13
Network Port Distribution 13
UDP Packets 13
Code Manipulations 13
Statistics 13
Behavior 13
System Behavior 14
Analysis Process: EXCEL.EXE PID: 6972 Parent PID: 800 14
General 14
File Activities 14
File Created 14
File Deleted 14
File Written 14
Registry Activities 14
Key Created 14
Key Value Created 14
Analysis Process: splwow64.exe PID: 4048 Parent PID: 6972 14
General 14
File Activities 14
Analysis Process: regsvr32.exe PID: 6240 Parent PID: 6972 14
General 14
Analysis Process: regsvr32.exe PID: 6216 Parent PID: 6972 15
General 15
Disassembly 15
Code Analysis 15

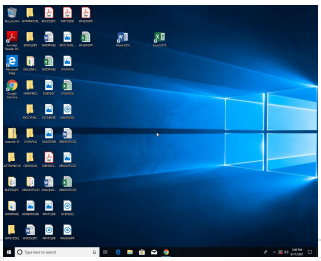
Analysis Report audit-866445981.xlsb

Overview

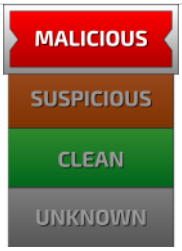
General Information

Sample Name:	audit-866445981.xlsb
Analysis ID:	433270
MD5:	e1fdc1cf780e50e..
SHA1:	2de4c0600e360e..
SHA256:	aacfdf7e9a3ec72..
Infos:	

Most interesting Screenshot:



Detection



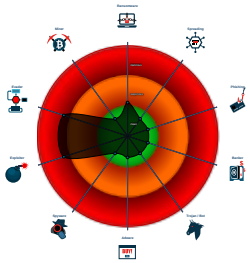
Hidden Macro 4.0

Score:	68
Range:	0 - 100
Whitelisted:	false
Confidence:	100%

Signatures

- Office document tries to convince vi…
- Document exploit detected (UrlDown…
- Document exploit detected (process…
- Found Excel 4.0 Macro with suspicio…
- Found abnormal large hidden Excel …
- Sigma detected: Microsoft Office Pr…
- Allocates a big amount of memory (p…
- Found a high number of Window / Us…
- Monitors certain registry keys / valu…
- Registers a DLL
- Sample execution stops while proce…
- Tries to load missing DLLs

Classification



Process Tree

- **System is w10x64**
- EXCEL.EXE (PID: 6972 cmdline: 'C:\Program Files (x86)\Microsoft Office\Office16\EXCEL.EXE' /automation -Embedding MD5: 5D6638F2C8F8571C593999C58866007E)
  - splwow64.exe (PID: 4048 cmdline: C:\Windows\splwow64.exe 12288 MD5: 8D59B31FF375059E3C32B17BF31A76D5)
  - regsvr32.exe (PID: 6240 cmdline: regsvr32 -s ..\covi1.dll MD5: 426E7499F6A7346F0410DEAD0805586B)
  - regsvr32.exe (PID: 6216 cmdline: regsvr32 -s ..\covi2.dll MD5: 426E7499F6A7346F0410DEAD0805586B)
- **cleanup**

Malware Configuration

No configs have been found

Yara Overview

Initial Sample

Source	Rule	Description	Author	Strings
app.xml	JoeSecurity_XlsWithMacro4	Yara detected Xls With Macro 4.0	Joe Security	

Sigma Overview

System Summary:

Sigma detected: Microsoft Office Product Spawning Windows Shell

Signature Overview

Signature Overview

Click to jump to signature section

Software Vulnerabilities:

Document exploit detected (UrlDownloadToFile)

Document exploit detected (process start blacklist hit)

System Summary:

Office document tries to convince victim to disable security protection (e.g. to enable ActiveX or Macros)

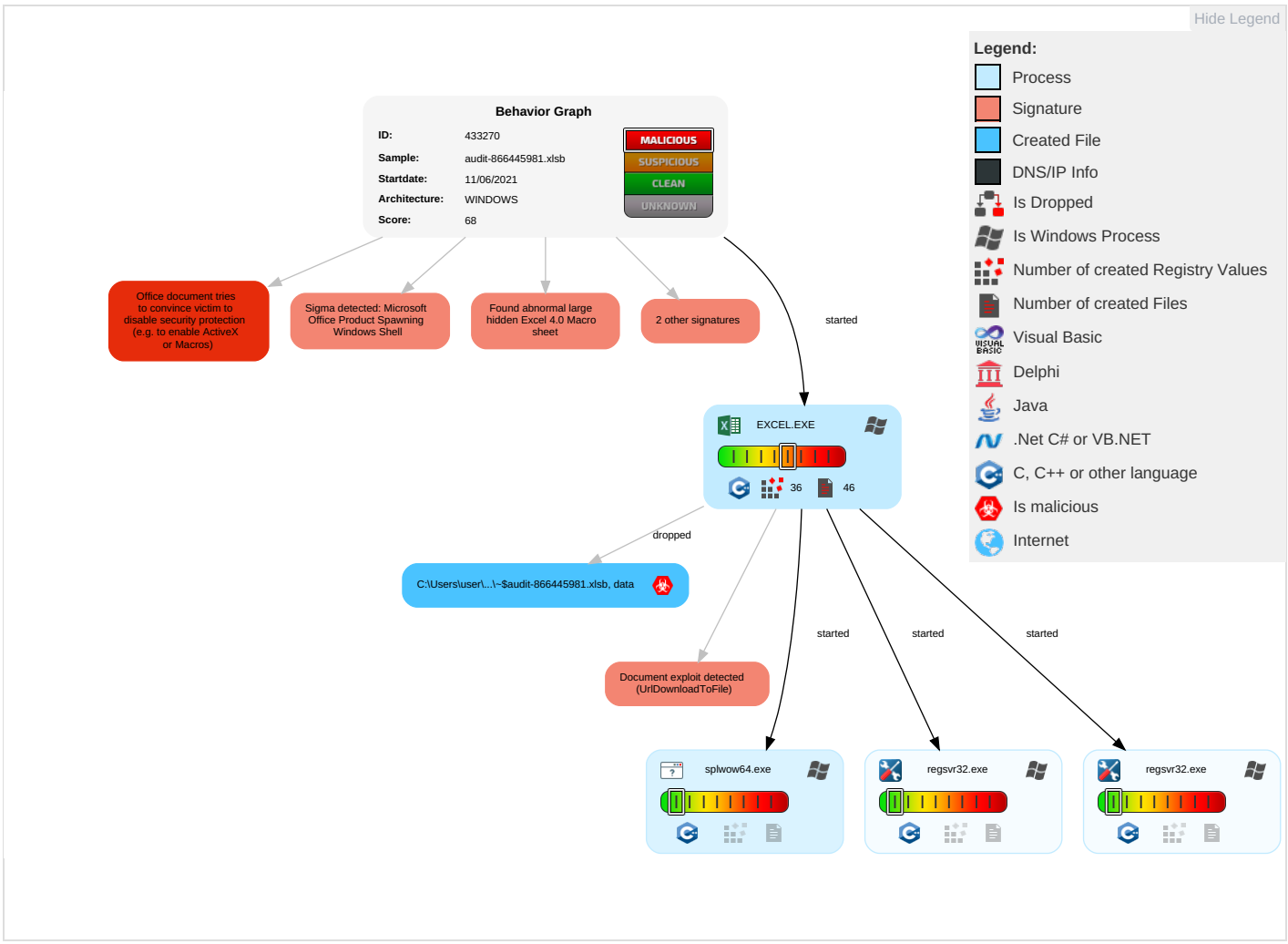
Found Excel 4.0 Macro with suspicious formulas

Found abnormal large hidden Excel 4.0 Macro sheet

Mitre Att&ck Matrix

Initial Access	Execution	Persistence	Privilege Escalation	Defense Evasion	Credential Access	Discovery	Lateral Movement	Collection	Exfiltration	Command and Control	Network Effects
Valid Accounts	Scripting 2	DLL Side-Loading 1	Process Injection 1	Masquerading 1	OS Credential Dumping	Query Registry 1	Remote Services	Data from Local System	Exfiltration Over Other Network Medium	Data Obfuscation	Eavesdrop on Insecure Network Communication
Default Accounts	Exploitation for Client Execution 2	Boot or Logon Initialization Scripts	DLL Side-Loading 1	Disable or Modify Tools 1	LSASS Memory	Security Software Discovery 1	Remote Desktop Protocol	Data from Removable Media	Exfiltration Over Bluetooth	Junk Data	Exploit SS7 to Redirect Phone Calls/SMS
Domain Accounts	At (Linux)	Logon Script (Windows)	Extra Window Memory Injection 1	Virtualization/Sandbox Evasion 1	Security Account Manager	Virtualization/Sandbox Evasion 1	SMB/Windows Admin Shares	Data from Network Shared Drive	Automated Exfiltration	Steganography	Exploit SS7 to Track Device Location
Local Accounts	At (Windows)	Logon Script (Mac)	Logon Script (Mac)	Process Injection 1	NTDS	Application Window Discovery 1	Distributed Component Object Model	Input Capture	Scheduled Transfer	Protocol Impersonation	SIM Card Swap
Cloud Accounts	Cron	Network Logon Script	Network Logon Script	Scripting 2	LSA Secrets	File and Directory Discovery 1	SSH	Keylogging	Data Transfer Size Limits	Fallback Channels	Manipulate Device Communication
Replication Through Removable Media	Launchd	Rc.common	Rc.common	Regsvr32 1	Cached Domain Credentials	System Information Discovery 2	VNC	GUI Input Capture	Exfiltration Over C2 Channel	Multiband Communication	Jamming or Denial of Service
External Remote Services	Scheduled Task	Startup Items	Startup Items	DLL Side-Loading 1	DCSync	Network Sniffing	Windows Remote Management	Web Portal Capture	Exfiltration Over Alternative Protocol	Commonly Used Port	Rogue Wi-Fi Access Points
Drive-by Compromise	Command and Scripting Interpreter	Scheduled Task/Job	Scheduled Task/Job	Extra Window Memory Injection 1	Proc Filesystem	Network Service Scanning	Shared Webroot	Credential API Hooking	Exfiltration Over Symmetric Encrypted Non-C2 Protocol	Application Layer Protocol	Downgrade to Insecure Protocols

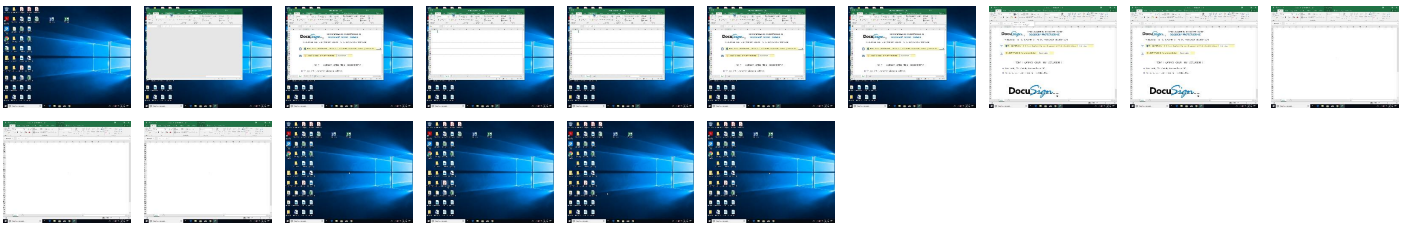
Behavior Graph



Screenshots

Thumbnails

This section contains all screenshots as thumbnails, including those not shown in the slideshow.



Antivirus, Machine Learning and Genetic Malware Detection

Initial Sample

No Antivirus matches

Dropped Files

No Antivirus matches

Unpacked PE Files

No Antivirus matches

Domains

No Antivirus matches

URLs

Source	Detection	Scanner	Label	Link
http://https://cdn.entity.	0%	URL Reputation	safe	
http://https://cdn.entity.	0%	URL Reputation	safe	
http://https://cdn.entity.	0%	URL Reputation	safe	
http://https://cdn.entity.	0%	URL Reputation	safe	
http://https://powerlift.acompli.net	0%	URL Reputation	safe	

Source	Detection	Scanner	Label	Link
http://https://powerlift.acompli.net	0%	URL Reputation	safe	
http://https://powerlift.acompli.net	0%	URL Reputation	safe	
http://https://powerlift.acompli.net	0%	URL Reputation	safe	
http://https://rpsticket.partnerservices.getmicrosoftkey.com	0%	URL Reputation	safe	
http://https://rpsticket.partnerservices.getmicrosoftkey.com	0%	URL Reputation	safe	
http://https://rpsticket.partnerservices.getmicrosoftkey.com	0%	URL Reputation	safe	
http://https://rpsticket.partnerservices.getmicrosoftkey.com	0%	URL Reputation	safe	
http://https://cortana.ai	0%	URL Reputation	safe	
http://https://cortana.ai	0%	URL Reputation	safe	
http://https://cortana.ai	0%	URL Reputation	safe	
http://https://cortana.ai	0%	URL Reputation	safe	
http://https://api.aadrm.com/	0%	URL Reputation	safe	
http://https://api.aadrm.com/	0%	URL Reputation	safe	
http://https://api.aadrm.com/	0%	URL Reputation	safe	
http://https://api.aadrm.com/	0%	URL Reputation	safe	
http://https://ofcrecsvcapi-int.azurewebsites.net/	0%	Avira URL Cloud	safe	
http://https://res.getmicrosoftkey.com/api/redemptionevents	0%	URL Reputation	safe	
http://https://res.getmicrosoftkey.com/api/redemptionevents	0%	URL Reputation	safe	
http://https://res.getmicrosoftkey.com/api/redemptionevents	0%	URL Reputation	safe	
http://https://powerlift-frontdesk.acompli.net	0%	URL Reputation	safe	
http://https://powerlift-frontdesk.acompli.net	0%	URL Reputation	safe	
http://https://powerlift-frontdesk.acompli.net	0%	URL Reputation	safe	
http://https://officeci.azurewebsites.net/api/	0%	Avira URL Cloud	safe	
http://https://store.office.cn/addinstemplate	0%	URL Reputation	safe	
http://https://store.office.cn/addinstemplate	0%	URL Reputation	safe	
http://https://store.office.cn/addinstemplate	0%	URL Reputation	safe	
http://https://store.officeppe.com/addinstemplate	0%	URL Reputation	safe	
http://https://store.officeppe.com/addinstemplate	0%	URL Reputation	safe	
http://https://store.officeppe.com/addinstemplate	0%	URL Reputation	safe	
http://https://dev0-api.acompli.net/autodetect	0%	URL Reputation	safe	
http://https://dev0-api.acompli.net/autodetect	0%	URL Reputation	safe	
http://https://dev0-api.acompli.net/autodetect	0%	URL Reputation	safe	
http://https://www.odwebp.svc.ms	0%	URL Reputation	safe	
http://https://www.odwebp.svc.ms	0%	URL Reputation	safe	
http://https://www.odwebp.svc.ms	0%	URL Reputation	safe	
http://https://dataservice.o365filtering.com/	0%	URL Reputation	safe	
http://https://dataservice.o365filtering.com/	0%	URL Reputation	safe	
http://https://dataservice.o365filtering.com/	0%	URL Reputation	safe	
http://https://officesetup.getmicrosoftkey.com	0%	URL Reputation	safe	
http://https://officesetup.getmicrosoftkey.com	0%	URL Reputation	safe	
http://https://officesetup.getmicrosoftkey.com	0%	URL Reputation	safe	
http://https://prod-global-autodetect.acompli.net/autodetect	0%	URL Reputation	safe	
http://https://prod-global-autodetect.acompli.net/autodetect	0%	URL Reputation	safe	
http://https://prod-global-autodetect.acompli.net/autodetect	0%	URL Reputation	safe	
http://https://ncus.contentsync.	0%	URL Reputation	safe	
http://https://ncus.contentsync.	0%	URL Reputation	safe	
http://https://ncus.contentsync.	0%	URL Reputation	safe	
http://https://apis.live.net/v5.0/	0%	URL Reputation	safe	
http://https://apis.live.net/v5.0/	0%	URL Reputation	safe	
http://https://apis.live.net/v5.0/	0%	URL Reputation	safe	
http://https://wus2.contentsync.	0%	URL Reputation	safe	
http://https://wus2.contentsync.	0%	URL Reputation	safe	
http://https://wus2.contentsync.	0%	URL Reputation	safe	
http://https://asgsmsproxyapi.azurewebsites.net/	0%	Avira URL Cloud	safe	
http://https://dataservice.o365filtering.com/PolicySync/PolicySync.svc/SyncFile	0%	URL Reputation	safe	
http://https://dataservice.o365filtering.com/PolicySync/PolicySync.svc/SyncFile	0%	URL Reputation	safe	
http://https://dataservice.o365filtering.com/PolicySync/PolicySync.svc/SyncFile	0%	URL Reputation	safe	
http://https://ncus.pagecontentsync.	0%	URL Reputation	safe	
http://https://ncus.pagecontentsync.	0%	URL Reputation	safe	
http://https://ncus.pagecontentsync.	0%	URL Reputation	safe	
http://https://skyapi.live.net/Activity/	0%	URL Reputation	safe	
http://https://skyapi.live.net/Activity/	0%	URL Reputation	safe	
http://https://skyapi.live.net/Activity/	0%	URL Reputation	safe	
http://https://dataservice.o365filtering.com	0%	URL Reputation	safe	

Source	Detection	Scanner	Label	Link
http://https://dataservice.o365filtering.com	0%	URL Reputation	safe	
http://https://dataservice.o365filtering.com	0%	URL Reputation	safe	
http://https://api.cortana.ai	0%	URL Reputation	safe	
http://https://api.cortana.ai	0%	URL Reputation	safe	
http://https://api.cortana.ai	0%	URL Reputation	safe	
http://https://ovisualuiapp.azurewebsites.net/pbiagave/	0%	Avira URL Cloud	safe	
http://https://directory.services.	0%	URL Reputation	safe	
http://https://directory.services.	0%	URL Reputation	safe	
http://https://directory.services.	0%	URL Reputation	safe	
http://https://staging.cortana.ai	0%	URL Reputation	safe	
http://https://staging.cortana.ai	0%	URL Reputation	safe	
http://https://staging.cortana.ai	0%	URL Reputation	safe	

Domains and IPs

Contacted Domains

No contacted domains info

URLs from Memory and Binaries

Contacted IPs

No contacted IP infos

General Information

Joe Sandbox Version:	32.0.0 Black Diamond
Analysis ID:	433270
Start date:	11.06.2021
Start time:	15:02:52
Joe Sandbox Product:	CloudBasic
Overall analysis duration:	0h 5m 31s
Hypervisor based Inspection enabled:	false
Report type:	light
Sample file name:	audit-866445981.xlsb
Cookbook file name:	defaultwindowsofficecookbook.jbs
Analysis system description:	Windows 10 64 bit v1803 with Office Professional Plus 2016, Chrome 85, IE 11, Adobe Reader DC 19, Java 8 Update 211
Number of analysed new started processes analysed:	20
Number of new started drivers analysed:	0
Number of existing processes analysed:	0
Number of existing drivers analysed:	0
Number of injected processes analysed:	0
Technologies:	• HCA enabled • EGA enabled • HDC enabled • AMSI enabled
Analysis Mode:	default
Analysis stop reason:	Timeout
Detection:	MAL
Classification:	mal68.expl.evad.winXLSB@7/10@0/0
EGA Information:	Failed
HDC Information:	Failed
HCA Information:	• Successful, ratio: 100% • Number of executed functions: 0 • Number of non-executed functions: 0

Cookbook Comments:	• Adjust boot time • Enable AMSI • Found application associated with file extension: .xlsb • Found Word or Excel or PowerPoint or XPS Viewer • Attach to Office via COM • Scroll down • Close Viewer
Warnings:	Show All

Simulations

Behavior and APIs

Time	Type	Description
15:03:50	API Interceptor	1162x Sleep call for process: splwow64.exe modified

Joe Sandbox View / Context

IPs

No context

Domains

No context

ASN

No context

JA3 Fingerprints

No context

Dropped Files

No context

Created / dropped Files

C:\Users\user\AppData\Local\Microsoft\Office\16.0\WebServiceCache\AllUsers\officeclient.microsoft.com\EB5EB814-F278-44A1-A618-8F2C364FB0C1	
Process:	C:\Program Files (x86)\Microsoft Office\Office16\EXCEL.EXE
File Type:	XML 1.0 document, UTF-8 Unicode text, with very long lines, with CRLF line terminators
Category:	dropped
Size (bytes):	134922
Entropy (8bit):	5.3691112587971155
Encrypted:	false
SSDEEP:	1536:QcQIKNEeBXA3gBwlpQ9DQW+z7534ZliKWXboOilX5ENLWME9:4EQ9DQW+ziXOe
MD5:	C7D95D325272508ED3E1E68923363114
SHA1:	C1DD969592778CDB77E55DE51D37987FD18EC587
SHA-256:	56F6249B1A4E7E0CB08F4E01E06DF59A829B8FD49554ABC93DBEFF3C697441A2
SHA-512:	37D9268050E49F97DC79C9D2E985E50FA53F1DF3511ADB7E8B460032A939CF71FE252F00091BC2021F2102D15578648A7BAC4822CEFB14D08E92AB78DD01E48A
Malicious:	false
Reputation:	low

C:\Users\user\AppData\Local\Microsoft\Office\16.0\WebServiceCache\AllUsers\officeclient.microsoft.com\EB5EB814-F278-44A1-A618-8F2C364FB0C1	
Preview:	<?xml version="1.0" encoding="utf-8"?>..<o:OfficeConfig xmlns:o="urn:schemas-microsoft-com:office:office">.. <o:services o:GenerationTime="2021-06-11T13:03:47">.. Build: 16.0.14209.30527-->.. <o:default>.. <o:ticket o:headerName="Authorization" o:headerValue="{}" />.. </o:default>.. <o:service o:name="Research">.. <o:url>https://rr.office.microsoft.com/research/query.asmx</o:url>.. </o:service>.. <o:service o:name="ORedir">.. <o:url>https://o15.officeredir.microsoft.com/r</o:url>.. </o:service>.. <o:service o:name="ORedirSSL">.. <o:url>https://o15.officeredir.microsoft.com/r</o:url>.. </o:service>.. <o:service o:name="ClViewClientHelpId">.. <o:url>https://[MAX.BaseHost]/client/results</o:url>.. </o:service>.. <o:service o:name="ClViewClientHome">.. <o:url>https://[MAX.BaseHost]/client/results</o:url>.. </o:service>.. <o:service o:name="ClViewClientTemplate">.. <o:url>https://ocsa.office.microsoft.com/client/15/help/template</o:url>.. </o:service>.. <o:

C:\Users\user\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\266B3397.png	
Process:	C:\Program Files (x86)\Microsoft Office\Office16\EXCEL.EXE
File Type:	PNG image data, 24 x 24, 8-bit/color RGB, non-interlaced
Category:	dropped
Size (bytes):	557
Entropy (8bit):	7.343009301479381
Encrypted:	false
SSDEEP:	12:6v/7aLMZ5l9TvSb5Lr6U7+uHK2yJtNJTNSB0qNMQCvGEvfvqVFsSq6ixPT3Zf:Ng8SdCU7+uqF20qNM1dvfSviNd
MD5:	A516B6CB784827C6BDE58BC9D341C1BD
SHA1:	9D602E7248E06FF639E6437A0A16EA7A4F9E6C73
SHA-256:	EF8F7EDB6BA0B5ACEC64543A0AF1B133539FFD439F8324634C3F970112997074
SHA-512:	C297A61DA1D7E7F247E14D188C425D43184139991B15A5F932403EE68C356B01879B90B7F96D55B0C9B02F6B9BFAF4E915191683126183E49E668B6049048D35
Malicious:	false
Reputation:	moderate, very likely benign file
Preview:	.PNG.....IHDR.....o.....sRGB.....pHYs.....+.....IDAT8Oc.....l.9a._.X....@.`ddbc.].....O..m7.r0|..."......?A.....w..;.N1u....._.[.\Y...BK=...F +.t.M~..oX.. %....211o.q.P."....y...../..l.r...4..Q]..h.....LL.d.....d....w.>{.e..k.7.9y.%.. .YpI...{.+Kv...../..\[...A....^.5c..O?.....G...VB..4HWY...9NU...?..S..$..1..6.U.....c... ....7..J. "M..5. ...._.....d.V.W.c.....Y.A..S....~.C.....q.....t?..."n.....4.....G_.....Q..x..W.!L.a...3....MR.|.-P#P;..p._.....jUG....X.....IEND.B`.

C:\Users\user\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\617A426E.png	
Process:	C:\Program Files (x86)\Microsoft Office\Office16\EXCEL.EXE
File Type:	PNG image data, 521 x 246, 8-bit/color RGB, non-interlaced
Category:	dropped
Size (bytes):	32996
Entropy (8bit):	7.975478139053759
Encrypted:	false
SSDEEP:	768:N4k48AnTViUidx37OODgvnrxtxAudMN1VTRVHdB4K7K:NE8m+L37OOwrCXN1VTR1PK
MD5:	4E69B72B0CE87CC7EE30AA1A062147FE
SHA1:	09B0AA5414E08756E0AE53E1BE5C70DB4DEAF2E8
SHA-256:	77A1F749389CBF771D5197FF0FF17113FCA1D91989ADCADF2852876A6CC14988
SHA-512:	6246AF2137E773F7719033AFE75F0B00FF3A4B5543DBA53737FC8D33EE42478E3D8A5CF166E9EFD2F54A2F3E0D62417BDDC1CB824642305B59AB1229313D2D7
Malicious:	false
Reputation:	moderate, very likely benign file
Preview:	.PNG.....IHDR.....[.J....sRGB.....pHYs.....+.....IDATx^.].`.....{%.$..A...R.P@z....O...S.<;.VT.REA.(...I...{.....m...]..r./.....~.|]h.Z....P.(.....E."@...P.(.v.P.@..E."@. ...#@y.....E."@y.....E."...*78C.~O...P.<....<o..).....3.(op...."@...x...7x...S.(...g.P...!.=E."@..<.(o.5.3..P.(.....B.{..E.".y.P..ykNgL...P..!@y.3.....E....."@...8C...g...)..... !@y..9.1E."@.p.....S.(....C....[s:c..E."......!D...P.(.....t.....E....78C.~O...P.<....<o..).....3.(op...."@...x...7x...S.(...g.P...!.=E."@..<.(o.5.3..P.(.....B.{..E.".y.P..ykNgL...P ..!@y.3.....E....."@...8C...g...)......!@y..9.1E."@.p.....S.(....C....[s:c..E."......!D...P.(.....t.....E....78C.~O...P.<....<o..).....3.(op...."@...x...7x...S.(...g.P...!.=E."@..<.(o.5.3 ..P.(.....B.{..E.".y.P..ykNgL...P..!@y.3.....E....."@...8C...g...)......!@y..9.1E."@.p.....S.(....C....[s:c..E."......!D...P.(.....t.....E....78C.~O...P.<....<o..).....3.(op...."@...x..

C:\Users\user\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\92C9AF9A.png	
Process:	C:\Program Files (x86)\Microsoft Office\Office16\EXCEL.EXE
File Type:	PNG image data, 934 x 29, 8-bit/color RGB, non-interlaced
Category:	dropped
Size (bytes):	42557
Entropy (8bit):	**7.992800895943226**
Encrypted:	**true**
SSDEEP:	768:Pfsq4UmepRdblCFcXhw9KnRTRews6xD0FvBlwAS1A8x7BcS0OvD230:PR3ZblCF28KRsws6CFv0AYx7Bl3b230
MD5:	B1F262A694930ADB699FA94E3394887F
SHA1:	9C9B66D3A3F09AECA45DB94304CDD6FB3C5BD4C9
SHA-256:	9C99EC61392B9022A38C1354124360147E8185065095BD2EC92B1416CF9F4B68
SHA-512:	1CA7E6750178B88EC3AA7A0B83348EA389E26C27E0D7E919D807BE470714E5B4F04ACEB69D391F0498D4E465E6620E9449CA2F40755B5CE8196E683502EBF5F4
Malicious:	false
Reputation:	moderate, very likely benign file
Preview:	.PNG.....IHDR.....6.....sRGB.....pHYs.....+.....IDATx^....dU....S.:ON.0.0....s0 .....$..%#HR.T.....$..0C...Su...[.TM..{.....C.S}..^{.....].^..ZX.Wb.W....X!..A.P... .0..u...X.V.3.....z..tiO{GW..?...A.....ca2Y.... ...cAX..zZ..2M.$..g.O.e..r?z&.....*....*.=..Z.A.....a.Z..ka<..N.R.c...../.[..j.^...Nk.(..y.,..z"...R..Z+..D1Q....z....0..u~. .jU_.b.Z.V....:.5:.(.....-...A2.O.{..p.j..].<.....0..0..+...E...^...z....#..j.d...X._..1..M.5..O.^..".I....G....U1.....X.6.Z.\.&..h..m*..T..xH.j..3<$.H...a..n....}t.A.jT.6G.h@..<.x..x...cb.. ....C..{.D.'QW<.o~..?.....4F_..B..h.\...y8..)....j.Z.d..#P..P..O.....(.0...f....B_z>.E .w../..(...'.Fw..yT..G..)...b9..g.AA`.a..v.zfY.F....._r.i.d.`....Q.g.m"..\..&.t.X.q1}.$.S....2..~...d."..1.. (.0.F....t...i..@f.. ...(..8..q.....I.....ad.....z%...;...y.O...X<Q..X.....B..H.....<)....4.&9.4.....1.h..#B.....g.....bO.59.A..M.....J..vX3*5..X....(G.A.u...8.. .{

C:\Users\user\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\B3BEC8AC.png	
Process:	C:\Program Files (x86)\Microsoft Office\Office16\EXCEL.EXE
File Type:	PNG image data, 24 x 24, 8-bit/color RGB, non-interlaced
Category:	dropped
Size (bytes):	848
Entropy (8bit):	7.595467031611744
Encrypted:	false
SSDEEP:	24:NLJZbn0jL5Q3H/hbqzej+0C3Yi6yyuq53q:JIjm3pQCLWYi67lc
MD5:	02DB1068B56D3FD907241C2F3240F849
SHA1:	58EC338C879DDBDF02265CBEFA9A2FB08C569D20
SHA-256:	D58FF94F5BB5D49236C138DC109CE83E82879D0D44BE387B0EA3773D908DD25F
SHA-512:	9057CE6FA62F83BB3F3EFAB2E5142ABC41190C08846B90492C37A51F07489F69EDA1D1CA6235C2C8510473E8EA443ECC5694E415AEAF3C7BD07F864212064678
Malicious:	false
Reputation:	moderate, very likely benign file
Preview:	.PNG.....IHDR.....o.....sRGB.....pHYs.....+.....IDAT8O.T]H.Q..;3...?..fk.IR..R$.R.Pb.Q...B..OA..T$.hAD...J../..-h...fj..+....;s.vg.Zsw.=...{.w.s.w.@.....;..s...O..... ..;.y.p.....,...s1@ Ir.:... .>.LLa..b?h...l.6..U....1....r.....T..O.d.KSA...7.YS..a.(F@....xe.^.I..$h....PpJ...k%.....9..QQ....h..!H*...../....2..J2..HG....A....Q&...k...d..&..Xa.t..E.. ..E..f2.d(..v.~.P.+.pik+;...xEU.g...._xfw...+...(..pQ.(..(.U./..)..@..?.....f.'...lx+@F...+....)..k.A2...r~B,....TZ..y..9...`..0....q....yY....Q.....A.....8j[.O9..t..&...g. I@ ..;..X!...9S.J5. .'.xh...8I.~.+...mf.m.W.i..{...+>P...Rh...+..br^$. q.^.....(..._j...$..Ar...MZm|...9..E..!U[S.fDx7<....Wd.....p..C.....^MyI:...c.^..SI.mGj,.....!...h..$..;.....yD./..a...-j.^:.}..v....RQ Y*.^.....IEND.B`.

C:\Users\user\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\BD70B8BD.png	
Process:	C:\Program Files (x86)\Microsoft Office\Office16\EXCEL.EXE
File Type:	PNG image data, 246 x 108, 8-bit/color RGB, non-interlaced
Category:	dropped
Size (bytes):	10270
Entropy (8bit):	7.975714699744477
Encrypted:	false
SSDEEP:	192:3sXvKLMbye/PEXiKTUgCto9h4F6NwfU6vGDpdYNbcQZgkbd4cgc:3iLh/gJ59CDfU6LocbGK
MD5:	9C4F09E387EA7B36C8149EA7C5F8876E
SHA1:	FF83384288EB89964C3872367E43F25FAFF007CC
SHA-256:	A51C1D65092272DAEB2541D64A10539F0D04BC2F51B281C7A3296500CFCA56DE
SHA-512:	0FDDE22CFDDE8BB1C04842D2810D0FD6D42192594E0D6120DE401B08B7E2CFFB5333792BC748E93CD70FA14734CC7D950620CB977DDBBDB52D92BDA8F3552 F8
Malicious:	false
Preview:	.PNG.....IHDR.....l.....sRGB.....pHYs.....+....'.IDATx^.].|.U...%...J."....H.&Ui.....E.....D.7....U.i..FH#=.....3..$K....'{3....7.....0.H.....H..03..,....8.q.....'@\. ..S@.../.0=....|....}|.....0.... ...,LO.....q._`az.....8..... .`..) @...X...q..>N...>.....q.....'@\...S@.../.0=....|....}|.....0.... ...,LO.....q._`az.....8...l..m.i'Sj.W.i.S.TJ....D.D._%...] ..i.;J..b..T.).Ik.L6..L.mN....!*..\..'{$.o._b..h....t"@.?...y...d..h..|..B9D..CJD..t."....bR"....I)H....z.....>|.....E.x..r....J.U..[...p:D....XF.....A...E.....b..C...C..C.....=.Z..$.=../....Y ..x5CY.0l..,~.W. .?.....;...$.'....<.H.2...z..6(.E.....kw8w^.\~...".C,gl&.m..J2.).HI.....b.r...'.....r.H...P....'...A.^.q..j).cZ.^1~.|.....dv^.^v..X..v..6/^.$rR. iK..H.Uu.Pvk....U.....'.Fd..Z .]mu*1.Zb.\b...N..P..&tr;.W....J.K(@.^A..R.S.[~.v.R.YO...0-...2..h."..............7..Ng...R...e.&..@..t..N...{5...W.x./#.%..}t...F8-..M1..(4b1....&.....)B...6.

C:\Users\user\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\F63F46D3.png	
Process:	C:\Program Files (x86)\Microsoft Office\Office16\EXCEL.EXE
File Type:	PNG image data, 490 x 30, 8-bit/color RGB, non-interlaced
Category:	dropped
Size (bytes):	18547
Entropy (8bit):	7.9850486438978985
Encrypted:	false
SSDEEP:	384:kBCIQCloAwCZDy0xOTn6/g6l4NpWfw9nHk6Ka01f7Y/H:kBCIQpAwODPMT6/gfOUKN70
MD5:	ED31C7053D581EDC4C98D222CE02EDEF
SHA1:	6BA7A49CC6FF8FE00E9C5BC75F48AB7E679536DD
SHA-256:	0FCF61397154DF01CFAECA362BD643D88AAD5FEDD07B52DC8A921CC0D7236534
SHA-512:	929BF13F2A050B33D0EABDAC97CAAFDDE612AD521027FEE4DD51E28A3CF61198D6C045E00AB85223C73D74D18BB4EAA1681C7AFA917946DC08A3C75FB2AB4 935
Malicious:	false
Preview:	.PNG.....IHDR.....l{.....sRGB.....pHYs.....+....H.IDATx^...U.....".x....U....".Tc.{...M1M..In....TATb4F,`oD..Q..3.....g.3..Lr.D....a8....~.z....Z...yyF..9...:.H .Q2..)/L.....Q.}....(J.,...w2>R.$..G2..m>..|...0.M.g.Xnjj...P.v..x....S.....B..p.=.Lz.^..Wi..2U.V'.a..*DE.'..rT.z....#.;..]....[?.C...o.m`]..m][;.:<..]F.9..u..Q]c.Ue.9....(.F.Z.~s..Q:...B.. .)..LZ.TTo..P.gc.l.'.X.}..H....Q.h|....L..rcd.2dN..co..5.....w.U.4..}.....{.Q.....D2.J.z~..:Y3,.H..(#.J.Q.....N.._7....w.....].2w.6...._....u.....9-.7.f9...E9...p.A..f....=....Bqu....A .u.JG>b"...%..0..W.H=...G#.DR.....P.|FD).NJ....)>.;...M...T*.dW..t:[.xT..M.|S...O..."M.4u7.uS...]4..R.vK....*).ZK.. J.=.9C.].kr..ES..6..f.(.....N':..t..^.S....kn[s.#..(.....m.....~....6>.... :u.J.mO.....%D...Q...6%....!.....H.....v..^%....$._.V.....[o5.H8.....n.~M.z.RL.0p:.iC.k.1..$.....3[...mS5.....E...2.&...k]...A.....K.8...5..O.@7.[-.F4*7...i....in...y....A

C:\Users\user\AppData\Local\Temp\16E40000	
Process:	C:\Program Files (x86)\Microsoft Office\Office16\EXCEL.EXE
File Type:	data
Category:	dropped
Size (bytes):	159443
Entropy (8bit):	7.962639561943536
Encrypted:	false

C:\Users\user\AppData\Local\Temp\16E40000	
SSDEEP:	3072:y89VlUBWA6CFvA7brCxAVIKuSkmxVymd1xXP8lTkdm3bGeAxilFz:y83liWA6FiYpxVyWxf8lTkeGKf
MD5:	BDF789CD1364BE8F1488716F3583AFD0
SHA1:	5418B8AFC1AD0A751F7F88CC1E92A3297116748C
SHA-256:	6324864DC24DBF7F25C5200B1676B69C71DACD3DAA277BBDA61FB87EA1E555E8
SHA-512:	5D3DD1BD9B6C6C0C2DE036AE70D4EBA8A6885B8138537C12C86B58888D132129AD248A8C7365592558A7BE8346B355CB1D0E0A88B35E0A93514049DADB714F
Malicious:	false
Preview:	.U.n.0....?.....(..r.mzl.$...\K....I..V.6Pl.6.^.....v.7.k.'...k.U3c.8.v].~=\|.?...pJ..e[@v.x.n.....E;lY.R..9.....pt...D...A.._.f.....Ku..l1..+.hRu...;%K.X.u._.j...h)...ON."..j.%(/.-A7."..=@ ...Q.c...(1d\|.3.....Ys.>....4....E.T...?.Yo0.}..~R..VP..~.Kn...>..... .L.5l$..8.X!..ubi..v/..0.H..vu..Mr.~9..<Q....Q.....3'...C...r$.Q.Sr. ..)]6).DC.x...W.....=....>.....o.#:T..Y.....}.:.K....." Lw.e...:...a?[.&..v.....n^...7.....PK.....!..:.....m.....[Content_Types].xml ...(..... ....

C:\Users\user\AppData\Roaming\Microsoft\UProof\CUSTOM.DIC	
Process:	C:\Program Files (x86)\Microsoft Office\Office16\EXCEL.EXE
File Type:	Little-endian UTF-16 Unicode text, with CR line terminators
Category:	dropped
Size (bytes):	22
Entropy (8bit):	2.9808259362290785
Encrypted:	false
SSDEEP:	3:QAlX0Gn:QKn
MD5:	7962B839183642D3CDC2F9CEBDBF85CE
SHA1:	2BE8F6F309962ED367866F6E70668508BC814C2D
SHA-256:	5EB8655BA3D3E7252CA81C2B9076A791CD912872D9F0447F23F4C4AC4A6514F6
SHA-512:	2C332AC29FD3FAB66DBD918D60F9BE78B589B090282ED3DBEA02C4426F6627E4AAFC4C13FBCA09EC4925EAC3ED4F8662FDF1D7FA5C9BE714F8A7B993BECB 342
Malicious:	false
Preview:	....p.r.a.t.e.s.h.....

C:\Users\user\Desktop\~$audit-866445981.xlsb	
Process:	C:\Program Files (x86)\Microsoft Office\Office16\EXCEL.EXE
File Type:	data
Category:	dropped
Size (bytes):	165
Entropy (8bit):	1.6081032063576088
Encrypted:	false
SSDEEP:	3:RFXI6dtt:RJ1
MD5:	7AB76C81182111AC93ACF915CA8331D5
SHA1:	68B94B5D4C83A6FB415C8026AF61F3F8745E2559
SHA-256:	6A499C020C6F82C54CD991CA52F84558C518CBD310B10623D847D878983A40EF
SHA-512:	A09AB74DE8A70886C22FB628BDB6A2D773D31402D4E721F9EE2F8CCEE23A569342FEECF1B85C1A25183DD370D1DFFFF75317F628F9B3AA363BBB60694F5362(7
Malicious:	**true**
Preview:	.pratesh ..p.r.a.t.e.s.h. . . . .

Static File Info

General

File type:	Microsoft Excel 2007+
Entropy (8bit):	7.955290462322502
TrID:	• Excel Microsoft Office Binary workbook document (47504/1) 49.74% • Excel Microsoft Office Open XML Format document (40004/1) 41.89% • ZIP compressed archive (8000/1) 8.38%
File name:	audit-866445981.xlsb
File size:	158780
MD5:	e1fdc1cf780e50ec43eee2ee43dfc730
SHA1:	2de4c0600e360e355cc2c26ffcfc5f378bf20db4
SHA256:	aacfdf7e9a3ec72b953c651bfc27e7d84c46b8656170867 eca64a7a09d8d1bcd
SHA512:	baed5a7c7600b9845f722b4c3d0a80902bf9b111c9d3bd3 24c1b33bbf57e338358d648e8a291a772425509fa3e927 ec0cae4918e26e05e5375d82b4b75d6171

General

SSDEEP:	3072:7tbU9VlUBWA6CFvA7bRCxAVIK2xVymd1xXP+Ph9vajtC1gBbZP6i:hU3liWA6FsY2xVyWxf+QegBbd
File Content Preview:	PK.....!.^.~.....[Content_Types].xml ...(..... ....

File Icon

Icon Hash:	74f0d0d2c6d6d0f4

Static OLE Info

General

Document Type:	OpenXML
Number of OLE Files:	1

OLE File "audit-866445981.xlsb"

Indicators

Has Summary Info:	
Application Name:	
Encrypted Document:	
Contains Word Document Stream:	
Contains Workbook/Book Stream:	
Contains PowerPoint Document Stream:	
Contains Visio Document Stream:	
Contains ObjectPool Stream:	
Flash Objects Count:	
Contains VBA Macros:	

Macro 4.0 Code

Network Behavior

Network Port Distribution

UDP Packets

Code Manipulations

Statistics

Behavior

Click to jump to process

System Behavior

Analysis Process: EXCEL.EXE PID: 6972 Parent PID: 800

General

Start time:	15:03:46
Start date:	11/06/2021
Path:	C:\Program Files (x86)\Microsoft Office\Office16\EXCEL.EXE
Wow64 process (32bit):	true
Commandline:	'C:\Program Files (x86)\Microsoft Office\Office16\EXCEL.EXE' /automation -Embedding
Imagebase:	0x1250000
File size:	27110184 bytes
MD5 hash:	5D6638F2C8F8571C593999C58866007E
Has elevated privileges:	true
Has administrator privileges:	true
Programmed in:	C, C++ or other language
Reputation:	high

File Activities

Show Windows behavior

File Created

File Deleted

File Written

Registry Activities

Show Windows behavior

Key Created

Key Value Created

Analysis Process: splwow64.exe PID: 4048 Parent PID: 6972

General

Start time:	15:03:49
Start date:	11/06/2021
Path:	C:\Windows\splwow64.exe
Wow64 process (32bit):	false
Commandline:	C:\Windows\splwow64.exe 12288
Imagebase:	0x7ff65ae00000
File size:	130560 bytes
MD5 hash:	8D59B31FF375059E3C32B17BF31A76D5
Has elevated privileges:	true
Has administrator privileges:	true
Programmed in:	C, C++ or other language
Reputation:	high

File Activities

Show Windows behavior

Analysis Process: regsvr32.exe PID: 6240 Parent PID: 6972

General

Start time:	15:04:01
Start date:	11/06/2021
Path:	C:\Windows\SysWOW64\regsvr32.exe
Wow64 process (32bit):	true
Commandline:	regsvr32 -s ..\covi1.dll
Imagebase:	0x1040000
File size:	20992 bytes
MD5 hash:	426E7499F6A7346F0410DEAD0805586B
Has elevated privileges:	true
Has administrator privileges:	true
Programmed in:	C, C++ or other language
Reputation:	high

Analysis Process: regsvr32.exe PID: 6216 Parent PID: 6972

General

Start time:	15:04:02
Start date:	11/06/2021
Path:	C:\Windows\SysWOW64\regsvr32.exe
Wow64 process (32bit):	true
Commandline:	regsvr32 -s ..\covi2.dll
Imagebase:	0x1040000
File size:	20992 bytes
MD5 hash:	426E7499F6A7346F0410DEAD0805586B
Has elevated privileges:	true
Has administrator privileges:	true
Programmed in:	C, C++ or other language
Reputation:	high

Disassembly

Code Analysis